

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

**APPLICANT(S):** Haixun Wang  
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**ASSIGNEE  
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Machines Corporation

**ASSIGNEE  
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I hereby certify that this paper is being deposited with the U. S. Postal  
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C.F.R. §1.10 on the date indicated below and is addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
Signature: *Tim Munn* Date: November 26, 2003

**TITLE:** NEAR-NEIGHBOR SEARCH IN PATTERN DISTANCE SPACES

**MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450**

**SIR:**

Enclosed are the following papers relating to the above-named application for patent:

Application - 29 pages of Specification, 4 pages of Claims and 1 page of Abstract  
15 Sheets of informal drawing(s)  
Declaration and Power of Attorney  
Assignment and Cover Sheet  
Associate Power of Attorney

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	20 - 20 =	0	x \$18 =	\$ 0
Independent Claims	4 - 3 =	4	x \$86 =	\$344
Multiple Dependent Claim(s), if applicable			\$ 290 =	\$ 0
Basic Fee				\$770
TOTAL FEE:				\$1,114

Please file the application and charge **International Business Machines Corporation's Deposit Account No. 50-0510** the amount of **\$1,114** to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation's Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.



Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 1300 Post Road, Suite 205, Fairfield, CT 06824.** Telephone calls should be made to the under-signed attorney at (203) 255-6560.

Respectfully,

A handwritten signature in black ink, appearing to read 'Michael J. Chang', with a stylized flourish at the end.

Date: November 26, 2003

Michael J. Chang  
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